

Application Form / Workshop Description



Session Title:

Models and Languages in Robotics for Academia and Industry

Organizers

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Motivation and Objective

The theme of the workshop is to establish a model-based development academia/industry initiative. Currently there are many academic European efforts such as BRICS, Proteus whose aim is to establish Model-Based Development within robotics. These nascent efforts could provide the nucleus for an academia-industry cooperative effort to foment the use and development of Domain Specific Languages and Model-Based Development software, methodologies and standards. The precedent for such cooperation is AUTOSAR (AUTomotive Open System ARchitecture) initiative from the automotive industry. We would like to present not only the above mentioned academic efforts but also any other academic efforts and industry efforts in the field who wish to contribute in an open discussion with interested industry parties. The objective is to discuss what we as a robotic community have achieved at the moment and where and what can or should be done in the immediate to near future in order to create a viable initiative in the European robotics community.

Approach

We would like to invite speakers from academia and industry to submit a one paragraph (5 lines, 11pt, 80cpl) of what they would like to present and discuss at the workshop. During the workshop each presenter will have at most 5 to 10 minutes for presentation. After the presentation we will have an open forum to discuss the presentations in the context of the workshop. In addition, we propose an announcement in the Euron distribution email list inviting potential speakers to join.

Suggestions for presentation format:

- 5 to 10 minute sales pitch for a modeling approach that solves a problem. This format is suggested for academic presenters.*
- 5 to 10 minute problem statement where modeling might be used to solve a problem. This format is suggested for industry presenters.*

Agenda of the Workshop

- 1. Introduction of speakers*
- 2. Goal and expectations statement*
- 3. Presentations*
- 4. Open discussion*
- 5. Recap of discussion points*
- 6. Statement of future action items*

Speaker(s) (name, organisation and function)

- All of you who are interested.
TO BE ANNOUNCED.*

How can participants contribute to, and prepare for, the workshop?

The European Robotics Forum is supported by the euRobotics Coordination Action, funded by the European Commission within the 7th Framework Programme (FP7-ICT-244852; 01/2010 – 12/2012)
<http://www.robotics-forum.eu>

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We suggested above two simple presentation format but it is not the only one. It is just a suggestion that we would like to have an open discussion about modeling and robotics. We encourage any interested participants to bring their own view, opinions, comments, suggestions about creating a community dedicated to modeling and robotics.

Further Information

BRICS <http://www.best-of-robotics.org/>

Proteus <http://www.anr-proteus.fr>

AUTOSAR <http://www.autosar.org>

Sphinx <http://www.eclipse.org/sphinx>

Planned follow-up

We intend to let the workshop members suggest planned follow-ups during the workshop.

We would like to achieve a common understanding of the challenges in modeling for robotics and an agenda how to tackle them.